

STIC Biotechnology Systems Branch

**RAW SEQUENCE LISTING
ERROR REPORT**

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Application Serial Number: 10/531,870
Source: 1/P4/10
Date Processed by STIC: 9/12/05

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MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
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Revised 01/24/05

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RAW SEQUENCE LISTING DATE: 09/12/2005
 PATENT APPLICATION: US/10/531,870 TIME: 13:21:40

Input Set : A:\764765_1.txt
 Output Set: N:\CRF4\09122005\J531870.raw

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74 <210> SEQ ID NO: 4
75 <211> LENGTH: 81
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Primer
82 <400> SEQUENCE: 4
83 cgcacatggac tagttctcat gtttgacagc ttatcatcga taagctttaa tgcggtagtt      60
85 tagcacgaag gagtcaacat g
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 58
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Primer
96 <400> SEQUENCE: 5
97 cgcacatggaa aaaaaagccc gtcattagg cgggctgtca ttactgcccg taatatgc      58
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 22
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Primer
108 <400> SEQUENCE: 6
109 gccagggttt tcccaagtac ga
112 <210> SEQ ID NO: 7
113 <211> LENGTH: 24
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Primer
120 <400> SEQUENCE: 7
121 gagcggataa caatttcaca cagg
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 22
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Primer
132 <400> SEQUENCE: 8
133 ccaactcacc ggctgctcta tc
136 <210> SEQ ID NO: 9
137 <211> LENGTH: 24
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Primer
144 <400> SEQUENCE: 9
145 aatgccgaag atgcggtgca taac

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150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Primer
156 <400> SEQUENCE: 10
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160 <210> SEQ ID NO: 11
161 <211> LENGTH: 20
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Primer
168 <400> SEQUENCE: 11
169 ggttgctgga atcgactgac 20
172 <210> SEQ ID NO: 12
173 <211> LENGTH: 66
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Primer
180 <400> SEQUENCE: 12
181 ctc aaac acg cc cagg tatt ag aag cca ac ct gg c gct gcca aa ac ac gt gt agg ct gg agc 60
183 tgcttc 66
186 <210> SEQ ID NO: 13
187 <211> LENGTH: 60
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Primer
194 <400> SEQUENCE: 13
195 gg tt tgat ca caa aga cgc cc g c gct c g c g a t c a a c g g c g c att c c g g g g a t c c g t c g a c c 60
198 <210> SEQ ID NO: 14
199 <211> LENGTH: 20
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Primer
206 <400> SEQUENCE: 14
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210 <210> SEQ ID NO: 15
211 <211> LENGTH: 20
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Primer
218 <400> SEQUENCE: 15
219 tgat a g a g c a g c a g c g g t g a g t 20

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Input Set : A:\764765_1.txt
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222 <210> SEQ ID NO: 16
 223 <211> LENGTH: 20
 224 <212> TYPE: DNA
 225 <213> ORGANISM: Artificial Sequence
 227 <220> FEATURE:
 228 <223> OTHER INFORMATION: Primer
 230 <400> SEQUENCE: 16
 231 tcagatcctt ggccggcaaga 20
 234 <210> SEQ ID NO: 17
 235 <211> LENGTH: 20
 236 <212> TYPE: DNA
 237 <213> ORGANISM: Artificial Sequence
 239 <220> FEATURE:
 240 <223> OTHER INFORMATION: Primer
 242 <400> SEQUENCE: 17
 243 tctaattcgac gcccggaaagg 20
 246 <210> SEQ ID NO: 18
 247 <211> LENGTH: 1030
 248 <212> TYPE: DNA
 249 <213> ORGANISM: Artificial
 W--> 251 <220> FEATURE: *needs explanation (see p6 for even explanation)*
 W--> 251 <223> OTHER INFORMATION:
 W--> 251 <400> 18
 252 ggatccgacc ggcaacggta cagatccgac cggcaacgggt acagatccga ccggcaacgg 60
 254 tcagatccga ccggcaacgg tacagatccg accggcaacg gtacagatcc gaccggcaac 120
 256 ggtacagatc cgaccggcaa cggtacagat ccgaccggca acggtagaca tccgaccggc 180
 258 aacggtagac atccgaccgg caacggta aatcccccta gcaatttgac tagtttcata 240
 260 gtttgcacgc ttatcatcga taagcttaa tgccgttagtt tagcacgaag gagtcacat 300
 262 gtttgcacgc ctcaaacggcc aggtattttaa agccaaacctg ggcgtgcacaa aacacaac 360
 264 ggtcacgctc acatggggca acgtcagcgc cgttgcacgc gagcgcggcg tctttgtat 420
 266 caaaccttcc ggcgtcgatt acagcgtcat gaccgcgtac gatatggtcg tggtagcat 480
 268 cggaaacccggta gaagtgggtt aaggtagcggaa aaaggccctcc tccgacacgc caactcaccg 540
 270 gctgtcttat caggcatcc cctccattgg cggcattgtg catacgact cgcgcacgc 600
 272 caccatctgg ggcgcaggcgg gtcagtcgtat tccagcaacc ggcaccaccc acgcccacta 660
 274 tttctacggc accatccctt gcacccggcaa aatgaccgcac gcaaaaatca acggcgaata 720
 276 tgagtggaa accggtaacg tcatcgtaga aacctttgaa aacacaggta tcgatgcagc 780
 278 gcaaatggcc ggcgttctgg tccattccca cggcccggtt gcatggggca aaaatggcg 840
 280 agatgcggtg cataacggca tcgtgcgttga agaggtcgct tatatggggta tattctgcgg 900
 282 tcagttacgc cccgaggattac cggatatgcg gcaaaacgcgtg ctggataaaac actatctgcg 960
 284 taagcatggc gcgaaaggcat attacggggca gtaatgcacag cccgcctaat gagcgggctt 1020
 286 tttttccat 1030
 289 <210> SEQ ID NO: 19
 290 <211> LENGTH: 696
 291 <212> TYPE: DNA
 292 <213> ORGANISM: Escherichia coli
 294 <400> SEQUENCE: 19
 295 atgtttagaag atctcaaacgg ccaggttatta gaagccaaacc tggcgctgcc aaaacacacaac 60
 297 ctggtcacgc tcacatgggg caacgtcgac gccgttgcac gcgagcgcgg cgtctttgtg 120
 299 atcaaaacctt ccggcgctga ttacagcgat acgatatggt cgtggtagc 180

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Input Set : A:\764765_1.txt
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301 atcgaaacgg	gtgaagtgg	tgaaggtagc	aaaaagccct	cctccgacac	gccaaactcac	240
303 cggctgctct	atcaggcatt	cccttcatt	ggcggcattt	tgcatacgca	ctcgccac	300
305 gcccacatct	gggcgcaggc	ggtcagtcg	attccagcaa	ccggcaccac	ccacgcccac	360
307 tatttctacg	gcaccattcc	ctgcacccgc	aaaatgaccg	acgcagaaat	caacggcgaa	420
309 tatgagtggg	aaaccgtaa	cgtcatcgta	gaaacctttg	aaaaacaggg	tatcgatgca	480
311 ggcacaatgc	ccggcggttct	ggtccattcc	caacggccgt	ttgcatgggg	caaaaatgcc	540
313 gaagatgcgg	tgcataaacgc	catgtgtcg	gaagaggtcg	tttatatggg	gatattctgc	600
315 cgtcagttag	ccccgcaggat	accggatatg	cagcaaacgc	tgctggataa	acactatctg	660
317 cgtaaagcatg	gcgcgaaggc	atattacggg	cagtaa			696
320 <210>	SEQ ID NO:	20				
321 <211>	LENGTH:	687				
322 <212>	TYPE:	DNA				
323 <213>	ORGANISM:	Escherichia coli				
325 <400>	SEQUENCE:	20				
326 atgcaaaagc	taaaacagca	ggtatttgaa	gccaacatgg	agctgcccgc	ctacgggctg	60
328 gtgaccttta	cctggggcaa	cgtcagcgct	atcgaccgcg	aacgcgggct	ggtgtgatc	120
330 aagcccagcg	gcgttgccta	cgaaaaccatg	aaagcgccg	atatgggtgt	ggttgatatg	180
332 agcggcaagg	tggtggagg	ggagtatcg	ccatctccg	acactgcgac	gcatactcgaa	240
334 ctctaccgtc	gttaccgc	gcttgggtgc	attgtccata	cccaactccac	tcatgcacc	300
336 gcataggcgc	aggcggggt	ggcgatcccg	gcgttaggc	ccacgcacgc	cgactacttc	360
338 ttggcgaca	ttccgtgtac	gcgcgggtta	agcgaagaag	aggtgcagg	cgagtatgaa	420
340 ctgaacacccg	gcaaaagtgt	tatcgaaacg	ctggcaacg	ccgagccgt	gcatacgccg	480
342 ggaattgtgg	tgtatcgca	cggccgttc	gcctggggaa	aagatgctca	cgatgcggtg	540
344 cataacgcgg	ttgtgtatgg	agaagtggcg	aaaatggcg	ggattgccc	cgccatataac	600
346 ccacaactca	atcacatcg	cagcttcctg	atgaataaac	acttcatcg	taaacacgg	660
348 cctaacgcctt	attacggca	gaagtag				687
351 <210>	SEQ ID NO:	21				
352 <211>	LENGTH:	65				
353 <212>	TYPE:	DNA				
354 <213>	ORGANISM:	Artificial				

same error

W--> 356 <220> FEATURE:

W--> 356 <223> OTHER INFORMATION:

W--> 356 <400> 21

357 cagcaggtat	ttgaagccaa	catggagctg	ccgcgcac	ggctgggtgt	ggctggagct	60
359 gcttc						65

362 <210> SEQ ID NO: 22

363 <211> LENGTH: 66

364 <212> TYPE: DNA

365 <213> ORGANISM: Artificial

W--> 367 <220> FEATURE:

W--> 367 <223> OTHER INFORMATION:

W--> 367 <400> 22

368 aaacggctgc	ggaatttagac	cagttatctc	ccgaggaagg	aaattaattc	cggggatccg	60
370 tcgacc						66

373 <210> SEQ ID NO: 23

374 <211> LENGTH: 21

375 <212> TYPE: DNA

376 <213> ORGANISM: Artificial

W--> 378 <220> FEATURE:

*error occurs in subsequent sequences
(see p.6)*

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/12/2005
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:18,21,22,23,24,26,27,28,29

Use of <220> Feature(NEW RULES): *error of explanation*

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32).
(Sec.1.823 of new Rules)

Seq#:18,21,22,23,24,26,27,28,29

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/531,870

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:251 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:18, <213>
ORGANISM:Artificial
L:251 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:18, <213>
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L:251 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:18,Line#:251
L:356 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:21, <213>
ORGANISM:Artificial
L:356 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:21, <213>
ORGANISM:Artificial
L:356 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:21,Line#:356
L:367 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:22, <213>
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L:367 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:22, <213>
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L:367 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:22,Line#:367
L:378 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:23, <213>
ORGANISM:Artificial
L:378 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:23, <213>
ORGANISM:Artificial
L:378 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:23,Line#:378
L:387 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:24, <213>
ORGANISM:Artificial
L:387 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:24, <213>
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L:387 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:24,Line#:387
L:427 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:26, <213>
ORGANISM:Artificial
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L:427 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:26,Line#:427
L:438 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:27, <213>
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L:438 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:27, <213>
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L:458 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:29, <213>
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